NO.NC/PMC/YNKE/2021-22

Date: 28-02-2022

To,
The Executive Engineer,
Yelahanka Divition
Bangalore.

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Subject: Regarding Inspection Report for the below mentioned work.

Name of Work: Providing Street Lights in Yelahanka Division

Item No	Description of work	Unit	Qty	Remarks
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of	Cum	74.89	Work done upto the Billed Quantity and the Quality is Satisfactory
2	KSRRB M2100-10: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.89 cum and fine	Cum	10.66	Work done upto the Billed Quantity and the Quality is Satisfactory
3	Construction of Median and island with Soil taken from Borrow Areas. KSRRB M400-19. Construction of Median and island with Soil taken from Borrow Areas. Construction of Median and island above road	Cum	297.00	Work done upto the Billed Quantity and the Quality is Satisfactory
4	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3	Nos	3778.00	Work done upto the Billed Quantity and the Quality is Satisfactory
5	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	595.00	Work done upto the Billed Quantity and the Quality is Satisfactory
6	Providing and laying in position plain/reainforced cement concrete M20 for sub structure/ Superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse	Cum	35.10	Work done upto the Billed Quantity and the Quality is Satisfactory

Assistant Executive Engineer (Ele)
BBMP Bangalore

7	KSRRB M2200-6. Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding	Tn	1.28	Work done upto the Billed Quantity and the Quality is Satisfactory
8	Fabricating, Supplying and errection of decorative bent type Conical Street light pole with hot dip Galvanized with BSEN 10025 grade S 355 JO Steel plate for shaft, IS 2062 for base plate with door	Nos	60.00	Work done upto the Billed Quantity and the Quality is Satisfactory
9	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements,	Nos	41.00	Work done upto the Billed Quantity and the Quality is Satisfactory
10	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S355JO steel plate for shaft, IS 2062 for base plate with door opening arrangements,	Nos	190.00	Work done upto the Billed Quantity and the Quality is Satisfactory
11	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements,	Nos	40.00	Work done upto the Billed Quantity and the Quality is Satisfactory
12	Supplying, and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and mounted on Octagonal pole using necessary bolts, nuts etc., complete.Single Arm Bracket with 1500mm	Nos	41.00	Work done upto the Billed Quantity and the Quality is Satisfactory
13	Supplying, and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and mounted on Octagonal pole using necessary bolts, nuts etc., complete.Single Arm Bracket with 1000mm	Nos	190.00	Work done upto the Billed Quantity and the Quality is Satisfactory
14	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation.Lamp compartment comprising of anti glare clear diffuser with Injection moulded	Nos	120.00	Work done upto the Billed Quantity and the Quality is Satisfactory
15	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded	Nos	41.00	Work done upto the Billed Quantity and the Quality is Satisfactory
16	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded	Nos	190.00	Work done upto the Billed Quantity and the Quality is Satisfactory

Assistant Executive Engineer (Ele)
BBMP, Bangalore

17	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser	Nos	40.00	Work done upto the Billed Quantity and the Quality is Satisfactory
18	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average	Mtrs	2732.00	Work done upto the Billed Quantity and the Quality is Satisfactory
19	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average	Mtrs	714.00	Work done upto the Billed Quantity and the Quality is Satisfactory
20	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required In existing trench/duct. 25 sqmm to 75 sqmm	Mtrs	3446.00	Work done upto the Billed Quantity and the Quality is Satisfactory
21	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtrs	12029.00	Work done upto the Billed Quantity and the Quality is Satisfactory
22	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete.(As per Civil SR KSRB I-2, P-7)Asphalt cutting	Mtrs	639.00	Work done upto the Billed Quantity and the Quality is Satisfactory
23	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-	Mtrs	5603.00	Work done upto the Billed Quantity and the Quality is Satisfactory
24	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-	Mtr.	50.00	Work done upto the Billed Quantity and the Quality is Satisfactory
25	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than .25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm	Mtrs	120.00	Work done upto the Billed Quantity and the Quality is Satisfactory
26	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers	Nos	20.00	Work done upto the Billed Quantity and the Quality is Satisfactory

Assistant Executive Engineer (Ele)
BBMP, Bangalore

27	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.25 sqmm Long Barrel	Nos	600.00	Work done upto the Billed Quantity and the Quality is Satisfactory
28	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on	Nos	3.00	Work done upto the Billed Quantity and the Quality is Satisfactory
29	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.600x600x3mm Copper plate	Nos	3.00	Work done upto the Billed Quantity and the Quality is Satisfactory
30	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc.,and painted with 2 coats of red oxide and then two coats of approved paint.40x40x6mm	Mtrs	14.00	Work done upto the Billed Quantity and the Quality is Satisfactory
31	Fabricating supplying and mounting MS box made out SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover,	Sqmm	328000.00	Work done upto the Billed Quantity and the Quality is Satisfactory
32	Supplying and fixing Moulded Case Circuit Breaker (MCCB)over the existing wood/panel board using necessary screws,bolts, nuts, necessary phase separators, handle and wiring complete. Protection	Nos	10.00	Work done upto the Billed Quantity and the Quality is Satisfactory
33	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity	Nos	420.00	Work done upto the Billed Quantity and the Quality is Satisfactory
34	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.25x3mm Copper strip	Mtrs	250.00	Work done upto the Billed Quantity and the Quality is Satisfactory
35	Supplying & fixing of retrofit type - LED bulb.....W with OPAL acrylic diffuser comprising of LED source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per watt,life> 25000 burning hours and	Nos	60.00	Work done upto the Billed Quantity and the Quality is Satisfactory
36	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps	Nos	30.00	Work done upto the Billed Quantity and the Quality is Satisfactory
37	Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any	Nos	10.00	Work done upto the Billed Quantity and the Quality is Satisfactory

Assistant Executive Engineer (Elec)

38	Laying of UG Cables by trenchless technology by adopting horizontal boring & Drawing of cable including preparation at site With HDPE Pipe i) Normal soil 5/6" bore size	Mtrs	200.00	Work done upto the Billed Quantity and the Quality is Satisfactory
39	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average	Mtrs	6500.00	Work done upto the Billed Quantity and the Quality is Satisfactory
40	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.6 sqmm to 16 sqmm In existing trench/duct.6 sqmm to 16 sqmm	Mtr	6500.00	Work done upto the Billed Quantity and the Quality is Satisfactory
41	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a	No	6.00	Work done upto the Billed Quantity and the Quality is Satisfactory
42	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.25x3mm GI strip	Mtrs	40.00	Work done upto the Billed Quantity and the Quality is Satisfactory
43	Providing Rcc Pole pedstal of Size 0.5x0.5x1.6 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1;4;8base concrete,1;2;4pedestal concrete and etc coplete as	Nos	41.00	Work done upto the Billed Quantity and the Quality is Satisfactory
44	Providing Rcc Pole pedstal of Size 0.35x0.35x1.3 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1;4;8 base concrete,1;2;4pedestal concrete and etc coplete as	Nos	230.00	Work done upto the Billed Quantity and the Quality is Satisfactory
45	Supply, installation, testing and commissioning of out door garden speaker fitted with wide response and water resistant polypropylene speaker components and strong aluminium alloy housing permits various	Nos.	181.00	Work done upto the Billed Quantity and the Quality is Satisfactory
46	Supply, installation, testing and commissioning of 480 to 600 watt amplifier with large air cooled/forced air cooled heat sink with 3 x line level inputs and 1 x 100 volt input to loop another amp	Nos.	9.00	Work done upto the Billed Quantity and the Quality is Satisfactory
47	Supply, installation, testing and commissioning of FM radio with Frequency range of 70 Mhz to 108 Mhz PLL based auto tuning sysetm with aux out with out door antenna consumption preferable. Make :	Nos.	9.00	Work done upto the Billed Quantity and the Quality is Satisfactory
48	Supply, installation, testing and commissioning of water proof audio rack made of Powder coated MS lockable with bottem ventilated with removable mesh type cover with power strip and for out door	Nos.	9.00	Work done upto the Billed Quantity and the Quality is Satisfactory

Assistant Executive Engineer (Elec)
BBMP, Bangalore

49	Supply, installation, testing and commissioning of Timer module with 8+8 programmable timer with realtime clock to fix the switching on and off time of BGM/PA system Make : Custom	Nos.	9.00	Work done upto the Billed Quantity and the Quality is Satisfactory
50	Supply, installation, testing and commissioning of hand held wired mic with wind shield with single channel mic preamp Frequency response of 55 htz to 16000 htz with 2,5 mvolt out put. Make : Ahuja/Eq	Nos.	4.00	Work done upto the Billed Quantity and the Quality is Satisfactory
51	Supply, installation, testing and commissioning of Speaker mounting hardware with mounting templets to be grouted in to the concrete with welded bolts as required to fix the garden speaker	Nos.	181.00	Work done upto the Billed Quantity and the Quality is Satisfactory
52	Supply, installation, testing and commissioning of 4 core 2.5 sq mm armoured cable preferable. Make : Custom	mtr	11140.00	Work done upto the Billed Quantity and the Quality is Satisfactory

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill

Thanking you,

With Regards,

For Newzen Consultants Bangalore

Assistant Executive Engineer (Elec)
BBMP, Bangalore

NO.NC/PMC/YNKE/2021-22 Date: 28-02-2022

To,
The Executive Engineer,
Yelahanka Divition
Bangalore.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

Name of Work: Providing Street Lights in Yelahanka Division

Item No	Description of work	Unit	Qty	No of Samples Tested	Standards
1	KSRRB M2100-10: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse	Cum	10.66	1	Per 100 cum
2	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in	Cum	3778.00	8	Per 500Nos
3	Providing and laying in position plain/reainforced cement concrete M20 for sub structure/ Superstructure works, with cement @ 320 kgs, 20 mm & down size graded	Cum	35.10	4	Per 50 cum
4	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding	Ton	1.28	2	Per Dia

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 1st and Final bill

Thanking you, AE P&O Div

With Regards,

For Newzen Consultants Bangalore

Assistant Executive Engineer (Ele)
BBMP, Bangalore